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Brain-Power of Plants.

life. For him the plant is no longer The old Italian botanist, Malthio- from San Francisco to San Diego an inanimate being, but stands re- lus, observing some curious sympa- by starting from Omaha than by animal functions, such as breathing, nomena "the friendship of plants." co? The people of this State would circulation of blood or sap, various In his work he says: "There is so like an answer, not couched in the complex movements, and sleeping, much affection between the reed and jargon and gibberish which railroad which are as certainly equally well the asparagus that if we plant them | companies have invented to throw defined as are the analagous traits together both will thrive marvel- an air of mystery about their busiin the existence of the animal. We ously." The limits of an article of ness, but in plain ordinary terms, have seen that all these functions in this kind will not permit me to go such as the general public can unthe animal kingdom cannot be per- any further into this interesting derstand. The two cities are in di formed except by the agency of the subject, or to adduce more of the rect railroad communication, and various nerves, etc., and that there many other examples pointing to why a passenger coming from the must be a source of power behind the fact that brain-power can and East should have such an immense the different nerve cells of which does exist apart from a visible brain advantage in rates over a passenger the brain is composed. The brain which in the vegetable kingdom has who lives here is something which itself can, therefore, be looked upon its counterpart in that protoplasm demands explanation, and it is a as an intermediate motion which which, by the aid of the microscope thing which the public will not only serves for the more perfect is seen to run hither and thither long put up with unless it be satistransmission of impulse. This mo- through the cells of the plant, and factorily explained .- S. F. Chronitor is absent in plants; but does it active movements are seen to per- cle. necessarily follow that the power or vade their entire organism. Vital force itself is non-existent? Certainly not. There is any amount of evidence to the contrary. Some say that this power is merely inthemselves to circumstances, and creation, but which would be inexhave many movements and traits that are the very reverse of autothe Mimosa, sensitive of the most Review. delicate touch. The manner in which this plant closes its stalks and leaves at the approach of darkness is very interesting. As the gloaming gently falls the leaves move upward toward each other till they touch; the secondary leafstalks slowly droop till they are nearly parallel with the main leafstalks, which, in their turn, fall till they point to the ground. Thus it folds itself at the close of day, and there is no doubt if it were not allowed to sleep it would, like ourselves, soon die. This is not only an example of the necessity of sleep for the repairing of nervous energy and recuperation of brain-powers but a proof of the existence of the same in the vegetable kingdom. Then there are the carnivorous plants, the Venus fly-trap (Dionaa) for instance, which will digest raw beef as readily as its insect prey From glands with which its leaf is provided fluids are poured outwhich resemble the gastric juice of the animal stomach in its digestive properties. The matter of the insect body or meat is thus absorbed into the substance and tissues of the plant just as the food taken into the animal stomach is digested and becomes part of the animal fabric. In the animal, digestion can only be commenced by the brain-force acting by means of a nerve upon the gastric glands; we may, therefore, concede that it is the action of the same power in the plant that produces the same effect, A still more remarkable instance of intelligent plant movement is found in one of the lowest forms of the vegetable kingdom, viz., the Peronospora infestans, the well-known potato fungus. When the sporecases burst a multitude of little bodies escape; if these bodies gain access to water they develop a cou-

The modern student of plant life about after the manner of tadpoles. cur, for there would be no advan- the firm belief that "Buffalo Bill' no longer regards the objects of his Surely this is something higher tage in buying the unused coupons; was in league with the evil spirit. study as so many things which than a mere automatic or instinc- but so long as the Central or South- and as such, a person to whom it merely demand classification and tive movement. There is another ern Pacific Company will carry pas- was safe to give a wide berth .arrangement, and whose history is trait which plants have in common sengers proportionatelymore cheap- Denver News. exhausted when a couple of Latin with animals, viz., friendship, or, ly for the long haul than for the or Greek names have been append- as it is called, symbiosis. A sort short one so long the ticket scalpers ed to each specimen. On the con- of sympathy between certain plants will thrive, and so long the company trary, the botanist of to-day seeks has long been observed to exist, as will be at odds with its patrons. to unravel the mysteries of plant | if one loved the shadow of the other. | Why should it be cheaper to go vealed as an organism exhibiting thies in plant life, termed the phe- starting directly from San Francisactivity is the rule and inertness the exception in plant life; and this fact serves to impress upon us the error of that form of argument

Unlimited Tilckets.

be ejected from the train.

could be done unless the railroad saved his post, and, he was always comany was discriminating against thereafter left in peaceful possession was regarded by the Romans as the factory, so as to get comfortably sell transportation upon the only them on the bridge the Indians' brated with great festivities.

p'e of curious little tails, and by proper and legal basis, that of mile- never knew, and the survivors of means of these tails they swim age, nothing of the kind could oc- the fatal charge always entertained

An Indian Story.

of the original "Buffalo Bill" Cody, The last-named were recruited to a nificance. The generation that uses sinct, a great authority tells us, is which would assume the non-exis- father of the present famous show- great extent from the French ma- its eyes in reading on the cars and only blind habit or automatically- tence of the higher traits of life in man, which has never been in print rine, and obtained their chiefs by the brilliant light of gas or eleccarried out action. If this is so, plants, simply because the motive and is worthy of a place in the among the Knights of Malta. But tricity is sure, not only to create a then instinctive actions only move power is invisible. Man's intelli- News. Old man Cody was a prom- there were large bodies of English greater demand for spectacles in the ground that Chicago dressed beef in one direction, and cannot adapt gent will seems best to account for inent figure on the plains in early seamen engaged in the illicit trade, next generation, but to multiply in- is unhealthy, but practically for the themselves to circumstances. But the progressiveness of the human days, being the owner of an exten- and some of the most successful definitely various forms of imper- reason that such a law would exall those who have studied the hab- race, which so evidently marks an sive trading post on the Arkansas and notorious buccancering chiefs feet vision. The parent who in- clude the monopoly-controlled proits of plants know full well that insurmountable distinction between in the vicinity of old Fort Larned. were Enlish captains. Their ships, dulges largely in the use of tobacthey have the power of adapting the genus home and the rest of Late in the "50s" he received infor- at all events in the early years of co and who, perhaps, began with mation that the Indians proposed West Indian piracy, were small and his cigarette in childhood, may surplicable were there no other differ- to clean out his ranch, which was badly provisioned, and a flotilla of vive the slow and insidious effect, ence but in the degree of their in- an extensive adobe building sur- three or four would carry more but there is too often an inheri- to producers. This policy is objecmatic. Numerous instances might tellectual faculties, or in the quality rouned by stockade. He did not than 150 men. They took up their tance of weakened muscle, flabby tionable also because of its inflube pointed out in which not only of their brain-power. The human pay much attention to it but the positions at the mouths of rivers, heart, disordered nerve, or over-senare the signs of sensibility as fully understanding differs from this same news continued to reach him, lying in wait for the Spanish trad-sitive brain. The entailments of not understanding the domestic developed in the plant as in the brain-power in its being enlightened was at last confirmed by the arrival ing vessels. When one appeared alcohol, in all its forms from wine reasons for such legislation, may be animal, but many phases of animal by reason, and that the principles of a large band of Cheyennes, Ara- they threw out their grappling irons to beer, are too numerous to cata- led to accept it as prima facie evilife are exactly imitated. Take, for which actuate man's ultimate ends pahoes and Kiowas, who camped and carried it by boarding. Then logue in any single age, and continexample, those wonderful plants are best named ideas .- National on the opposite side of a deep ar- they repaired to the nearest island ue their influence along the line of American meats and therefore be royo from the trading post, across and divided the booty; or, if their posterity. It is not that as a rule which the military authorities had prize proved to be a vessel of im- the heredity shows itself by the in-When the railroad company is supply trains. The savages pre- appointed to it a captain, and, with by the reproduction of the same able proportion of the world's marsues what it calls "unlimited tickets" tended to be very friendly, and the assistance of half a dozen of the change of structure; but even this it seems to be with a sort of mental wanted to trade, swapping furs and the foremost men, arranged a plan is often the case. The child early in the extreme is at once apparent. reservation on the part of the com- skins for ammunition, but their of voyage, and, having settled every in life may begin to show morbid Nearly all of our fresh beef and pany, or rather a privilege reserved, object was to burn the post and thing, each man's rights, the parti- cravings which culminate in the more than 70 per cent of the canto convert the unlimited into a carry away Cody's as a trophy -- a tion of prize money, and the ex- very same inordinate desires. It is ned or cured articles goes to Great limited ticket at its own pleasure. fact of which the old frontiersman tra allowances in money or slaves also true even oftener still that the Britain-a country which, perhaps, For example: A passenger buys a was well informed through the for wounds received in combat, same diseases are inherited either would be most likely to avail itself first-class, unlimited into a limited spies he had among them. The spread their canvas to the wind. In as a tendency of perverted function of any excuse for excluding Amerticket from Omaha to San Diego place was well armed but not suffi- this way the filibusters gradually or as a result of structural change, ican meats, so as to enormously via San Francisco. He expects to ciently manned to resist an attack (and even rapidly) replaced their How often we say: "How much the stimulate the frozen meat trade receive all the ordinary privileges of so formidable a band of redskins tiny craft by wellfound ships of boy resembles the father," the same with its own colonies and the live on such a ticket, including the stop and Old Bill cast about to see what goodly size and equipment.—Gen- color of eye and hair, the same and dressed beef commerce with over, which such tickets afford. But he could do to protect himself. In tleman's Magazine. when he reaches Ogden his troubles the stock yard of the fort was an old begin. He is told by the Central howitzer, which had been abandon-Pacific train agent that his ticket, ed by some of the plains military though first-class and unlimited, is expeditions, and this he had carried not good for passage, and that he to the top of the post and placed it must surrender his ticket and re- so it would sweep the bridge. He ceive in lieu thereof a limited check. had plenty of powder, but no other not good for a stop-over, and in ammunition fit to load it with, and most cases he makes the exchange, so he charged the gun with old either from ignorance of his rights mule shoes, nails, bits of iron, and or because he does not wish to get similar truck. The cannon loadinto trouble with the train men and ed, he awaited developments. Early one morning he observed an un-The argument of the railroad usual movement in the camp of result. They are a very small class, company in support of this new his pretended friends, and soon fuland vexatious rule is that they ly armed with war paints on, the must have all their passengers make savages made a dash toward the a continuous passage on through fort. Cody was at his howitzer tickets to Southern California by match in hand. The painted devils the way of Ogden. If this is not crowded the narrow bridge. And done, they say, many passengers just as the foremost reached the who desire to come to San Francis- nearest bank, he discharged his gun just, practicable nor expedient. co will buy tickets to San Diego, at clear range of the bridge. There and on their arrival here will sell was a wild howl of disappointed remaining coupons to scalpers, who rage, a vision of dead Indians tumwill in turn sell them to local trav- bling into arroy o, of legs and arms, elers desiring to go to Southern and heads lying around loose without claimants and fleeing and fright-Suppose that such is the case. It ened savages escaping from the fais obvious that nothing of the sort tal bridge. Cody's single shot had

West Indian Pirates.

authorities refuse to to "free" and are more forceful than in any age booters," (or plunderers), and find which has preceded it. In this we its original in the Flemish wlibot do not refer to the results of squalid or flibot, a kind of small, swift boat, wretchedness, which have been quite specially adapted to practical cruis- the same in every age, but to those English and French hunters, who that are active amid high occupa lived by the chase and by their tions and are the outcome of our plundering excursions in the sea of present civilization. Factory industhe Antilles. In order to provide tries have become relatively much yous and asylum they made a de- the field or on the sea. Not only scent in 1630 on the island of Tor- do indoor occupations cause a greattuga, two leagues to the north of ertax upon physical vigor, but mod-San Domingo, and captured it. The ern appliances, instead of relieving, settlement which they formed there often complicate the problem. Cerwas divided into three distinct class- their prominence and potency and compete with Armour for the sues-the buccaneers, who were en- in the period in which they are acthe hides of which they sold when or of population. It would be a sundried, or buccaned; the inhabi- comfort if these results could be tants, who labored at the tillage of confined to a single generation; but An old-time resident of Denver a the ground, and the filibusters, who what we now know of the laws of

> fit of the experience of States like Rhode Island and Kansas, where constitutional prohibition has been tried and found wanting. It is idle to suppose that the liquor-dealers had any appreciable effect on the of votes. It is the people who have spoken, after one of the most thorough debates this State has ever heard and they have spoken against the amendment because they believe absolute prohibition is neith-They are conviced that the license and local-option system is the best method within their reach.-Boston Globe.

The people have not decided the

question hastily. They have given

both sides a patient hearing. They

have had their own experience of

prohibition in past years to aid

them, and they have had the bene-

Roman who shaved every day. Sub- stress and strain from the bad air sequently the first day of shaving of tenement house, or that of the

Race Degeneracy.

Besides the study of individual conditions of health, it well be hooves us to consider the tendency to race elevation on the one hand or race degeneracy on the other. For it is the record of history as to nations that have ceased to be, that the earliest signs of decay were The West Indian pirates were those that betoken a loss of physicommonly known by the name of cal vigor. The forces now operafilibuster or freebooters, which some ting for the injury of public health The earliest filibusters were devitalizing and enervating forces loss of physique, of muscular tonicity, vital capacity, and vital force" are unquestionable. As to adds that "the various forms of im- Agriculturist. purity smite with devitalizing severity the offspring of the third and fourth generations." The great deception is that the effects of evil influences are not always apparent Shaving was introduced among in the case of the individual exthe Romans about 300 B. C. Pliny posed. The young man well rearsays Scipio Africanus was the first ed in the country, endures the

on hand, do not. In many cases the age at death is not the real test of the impairment which has occurred. Many of those thus exposed have enough of life to retain it even when they have lost vigor for work, and yet by special care are able thus to prolong their days. -New York Independent.

The Beef Monopoly.

The prices which farmers and ranch men receive for their cattle and hogs, as well as the retail prices paid by consumers of meats, are largely controlled by a few men who operate in harmony. Chicago is the headquarters of this combination. But to what extent the depression in the present value of beef-cattle is actually due to this beef monopoly has not yet been themselves with a common rendez- more prominent than laborers in clearly stated. A select committee of the United States Senate and the recent St. Louis convention of legislative delegates have, as yet, failed to satisfactorily solve the problem. The late organization by Eastern increased rapidly in numbers, and tain habits, too, have so gained in capital of a powerful syndicate to premacy in the beef and provision gaged in hunting oxen and boars quired as to greatly impair the vig- business is perhaps the most hopeful event in this connection. Competition is just what the beef market wants, for both the producers' and the consumers' sake. Strong day or two since related an incident pursued the avocation of pirates. heredity gives to them a fearful sig- efforts are being made in certain States to secure laws for inspection on the hoof of all cattle intended for consumption within the State. This is done ostensibly on the duct from the markets of the State. But it is not clear how such statutes in a few States are to compel the monopoly to pay better prices ence on foreign governments, which led to declare an embargo against American provisions. That the erected a bridge for the passage of portance, armed it as a ship of war, heritance of the very same habit, or closing against us of any considerkets for meats would be disastrous shape of nose, the same general con- Canada. Obviously, therefore, no tour of features. Even so lungs, State legislation should be encourliver, and heart and other organs aged which of itself would tend to inherit size or shape or power, and stop our meat exports. If, howso the changed make-up of the man ever, the State laws proposed could is the legacy more lasting than any be modified so as to co-operate with, conveyed in the last will and testa- and render more effective, the proment. Those who are studying posed Federal statute for the inthese problems of race are not the- spection of cattle intended for inorists, but find in the facts before terstate or export trade, the objecthem a full support to what reason tion to the principle proposed would and judgment indicate. A recent be overcome in a measure. In this writer on the influence of town-life case the States would supplement gives comparisons as to the meas- the Department of Agriculture in urement of men of various nation- guaranteeing the purity of Amerialities, and then shows that "the can provisions both at home and abroad. Thus the object aimed at by the State laws suggested would be better accomplished and at the the influence of bad habits he no- same time every incentive would be tices especially intemperance, and given our foreign trade.-American

According to the figures of the census of 1880, rather more than 12 per cent of the population of this country were of Irish birth and Irish parentage; rather more than 34 per cent were of Irish birth; rather more than 84 per cent were of Irish parentage, although born in this country.

A movement is on foot in Nica-San Diego. If the company would of his ranch. Just what struck entrance upon manhood, and cele- through life, but his children, with ragua to sever the relations between a very different stock of vital force Church and State,